



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

AUG 10 1972

Adl CDB  
748  
Gen Comm info. C

Chairman Schlesinger  
Commissioner Ramey  
Commissioner Larson  
Commissioner Doub  
Commissioner Ray

✓ Captain Gay  
✓ Mr. Carlson  
✓ CDR Richter  
Major Fava  
Major Cotner  
✓ Mr. Little  
✓ CDR Wolff

Please file

THRU: General Manager

AEC-DOD SURVEY AT ENIWETOK ATOLL *J. A. C. Lawrence* AUG 11 1972

During the period July 26, 1972, to August 2, 1972, a joint AEC-DOD team visited Eniwetok Atoll to conduct a survey of those portions of Runit Island which are to be used for a PACE cratering experiment. A thorough radiological survey was made of that portion of the island which will be disturbed by this experiment. Soil samples were taken in the expected crater area. In addition, a survey for plutonium particles was made along the access road and 22 locations were identified as potential sites for plutonium debris. The results of this survey will be used to determine the precautions required for conducting the PACE experiment as planned, or the necessity for relocating the experiment scheduled for Runit Island.

Along the ocean reef of Runit there is a very large quantity of scrap metal debris covered with water to various depths depending on the tide. This debris resulted from the tests on Runit. Some of it was blown onto the reef by these tests. Some was pushed onto the reef during cleanup operations in preparation for other tests. Much of the debris is metal scrap remaining from the complex diagnostic experiments conducted during the LACROSSE event, which was a surface burst. A spot check of one pile indicated that the debris is contaminated to levels that would require removal in a subsequent cleanup operation. Experience with similar scrap at Bikini suggests that materials blown onto the reef will also be contaminated.

It is expected that the quarantine on Runit will remain in effect until AEC and DOD have reached agreement on the plans and precautions that are needed. The PACE staff is drafting a report, for AEC consideration, of the survey and remedial actions necessary to continue the PACE experiment on Runit.

US DOE ARCHIVES	
326 U.S. ATOMIC ENERGY	
RG	COMMISSION
Collection	<i>McGraw Hill Collection</i>
Box	5
Folder	<i>Radiological Survey</i>

AUG 10 1972

This memorandum has been coordinated with the Assistant General Manager for Military Application.

ORIGINAL SIGNED BY

MARTIN B. BILES

Martin B. Biles, Director  
Division of Operational Safety

bcc: GM (2)  
AGMES  
AGNMA  
SECY (2)  
Dir. REG

Department of Energy  
Historian's Office  
ARCHIVES

OFFICE ▶	OS:NEES	OS:ADHP	OS:D	DMA		
SURNAME ▶	TFm TMcCraw/mch	LJDeal	MBBiles			
DATE ▶	8/9/72	8/7/72	8/7/72	8/9/72		